

Fig.1

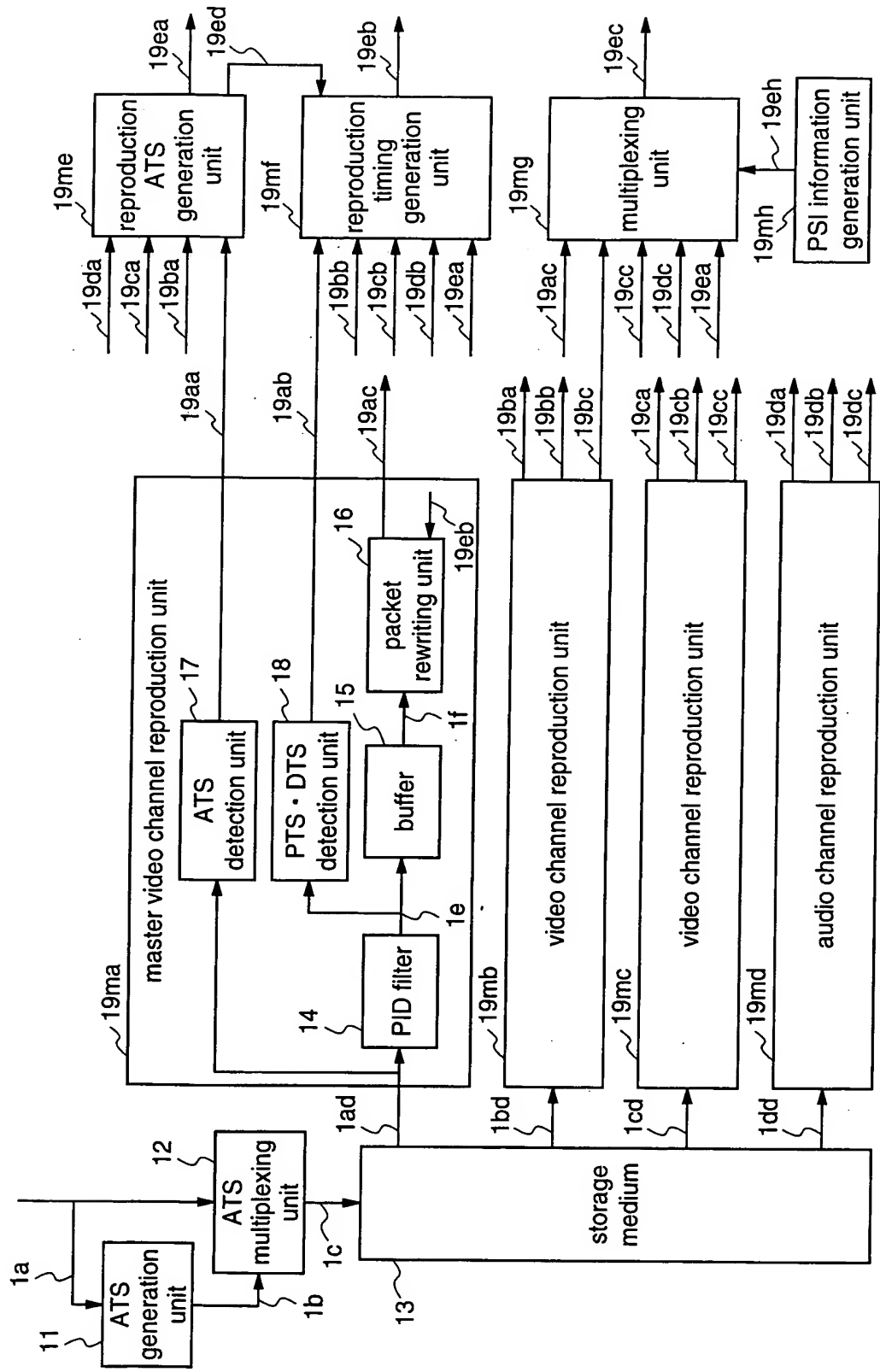


Fig.2

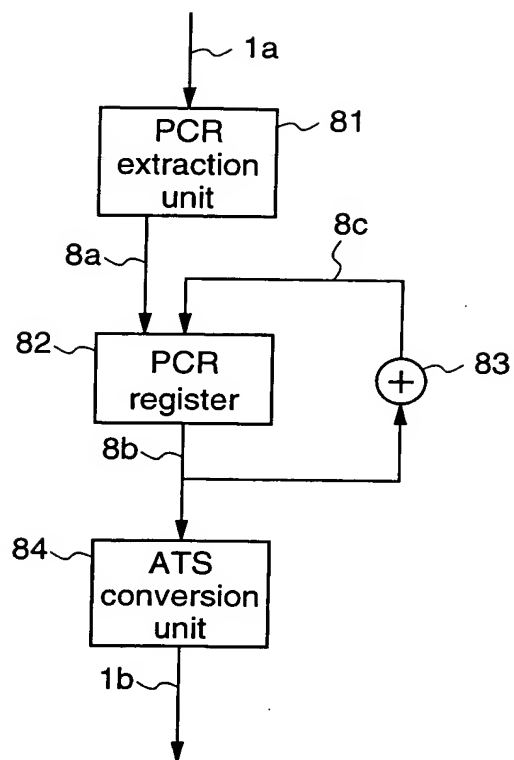


Fig.3

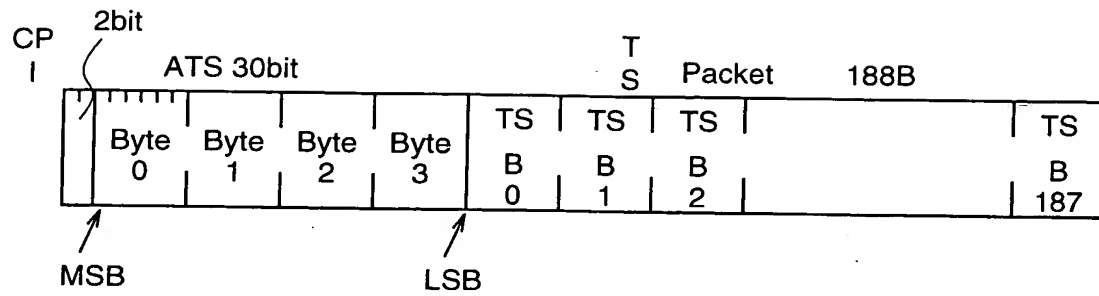


Fig.4

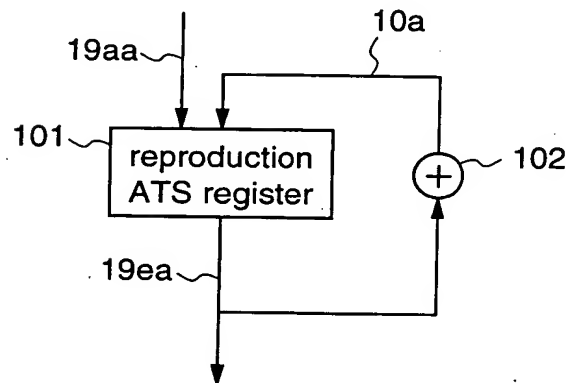


Fig. 5

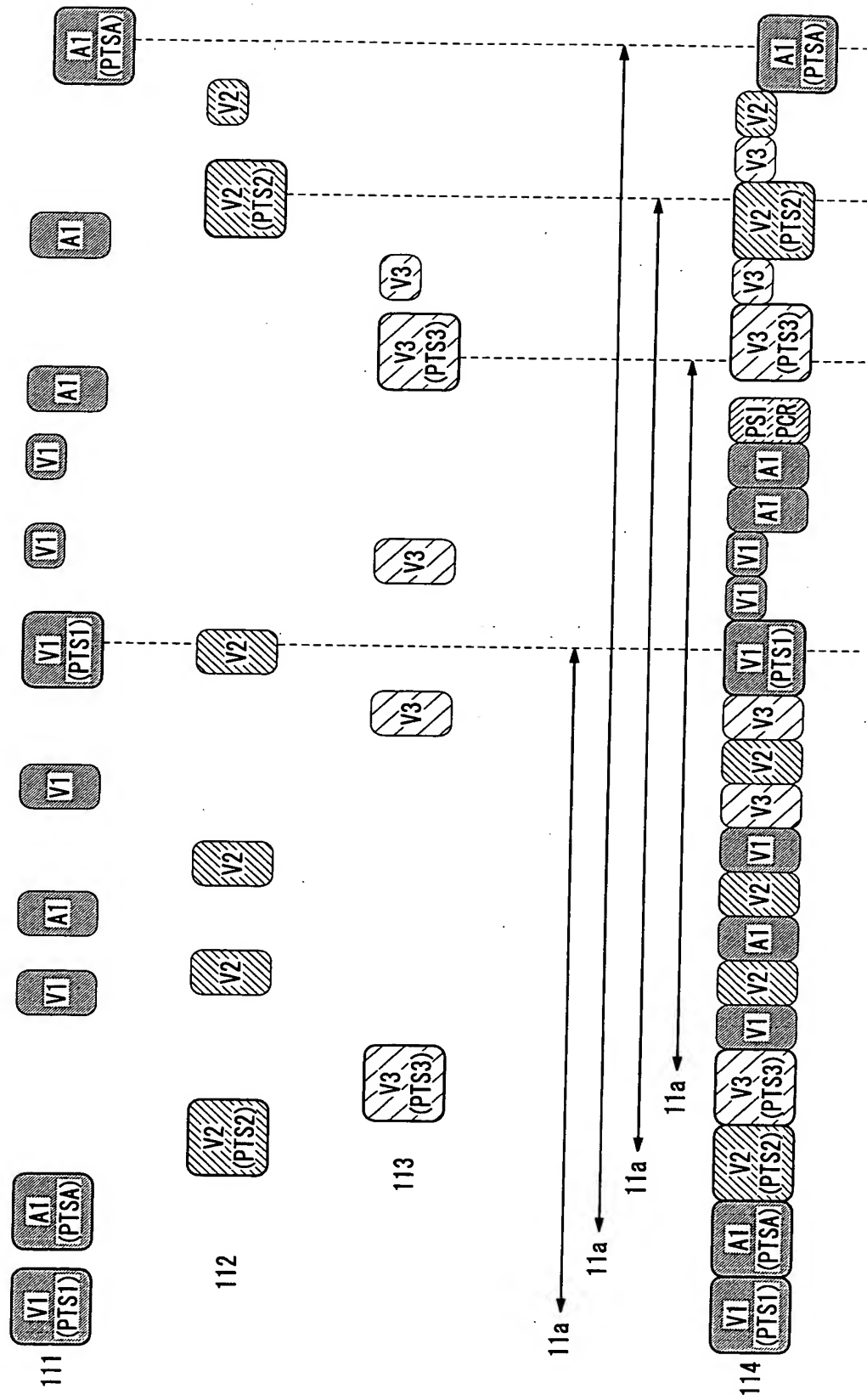


Fig.6

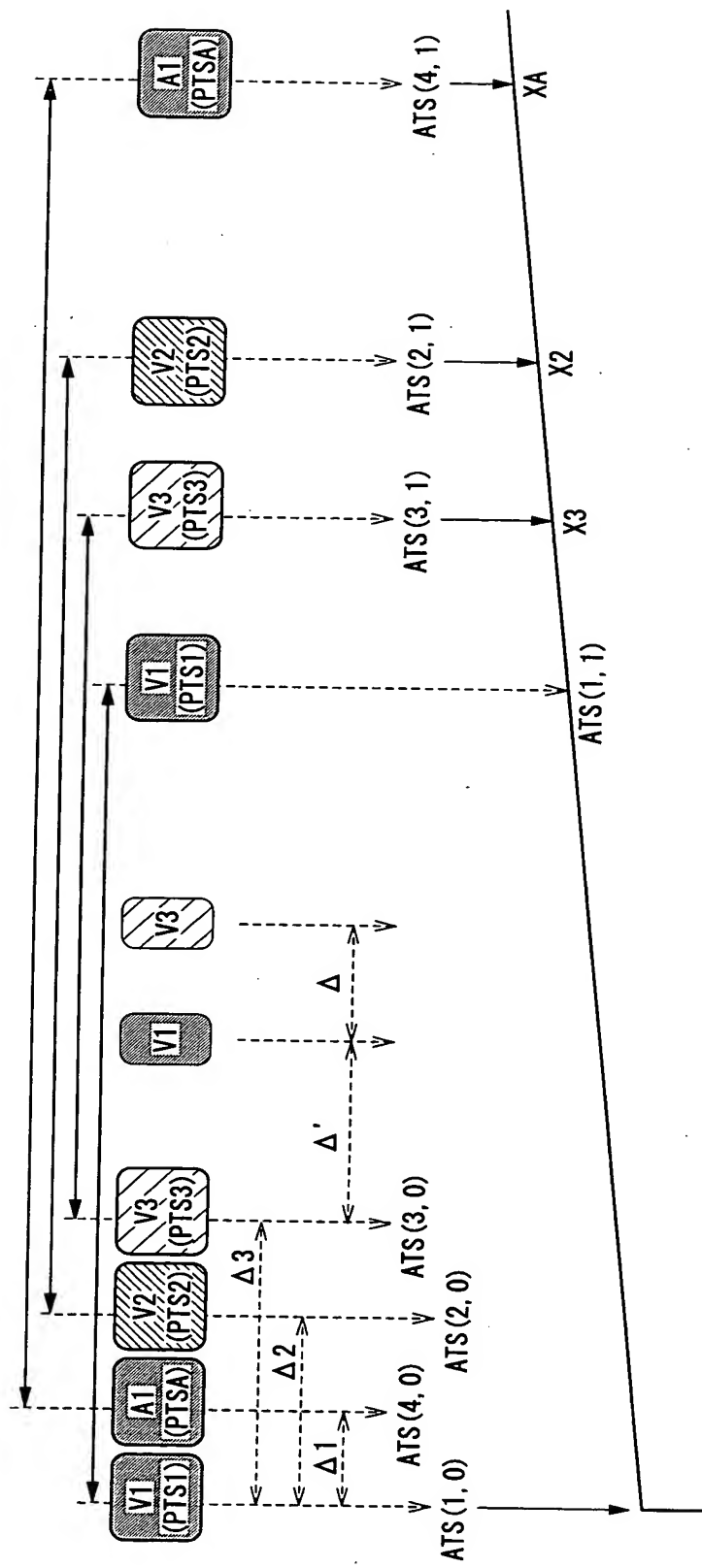


Fig. 7

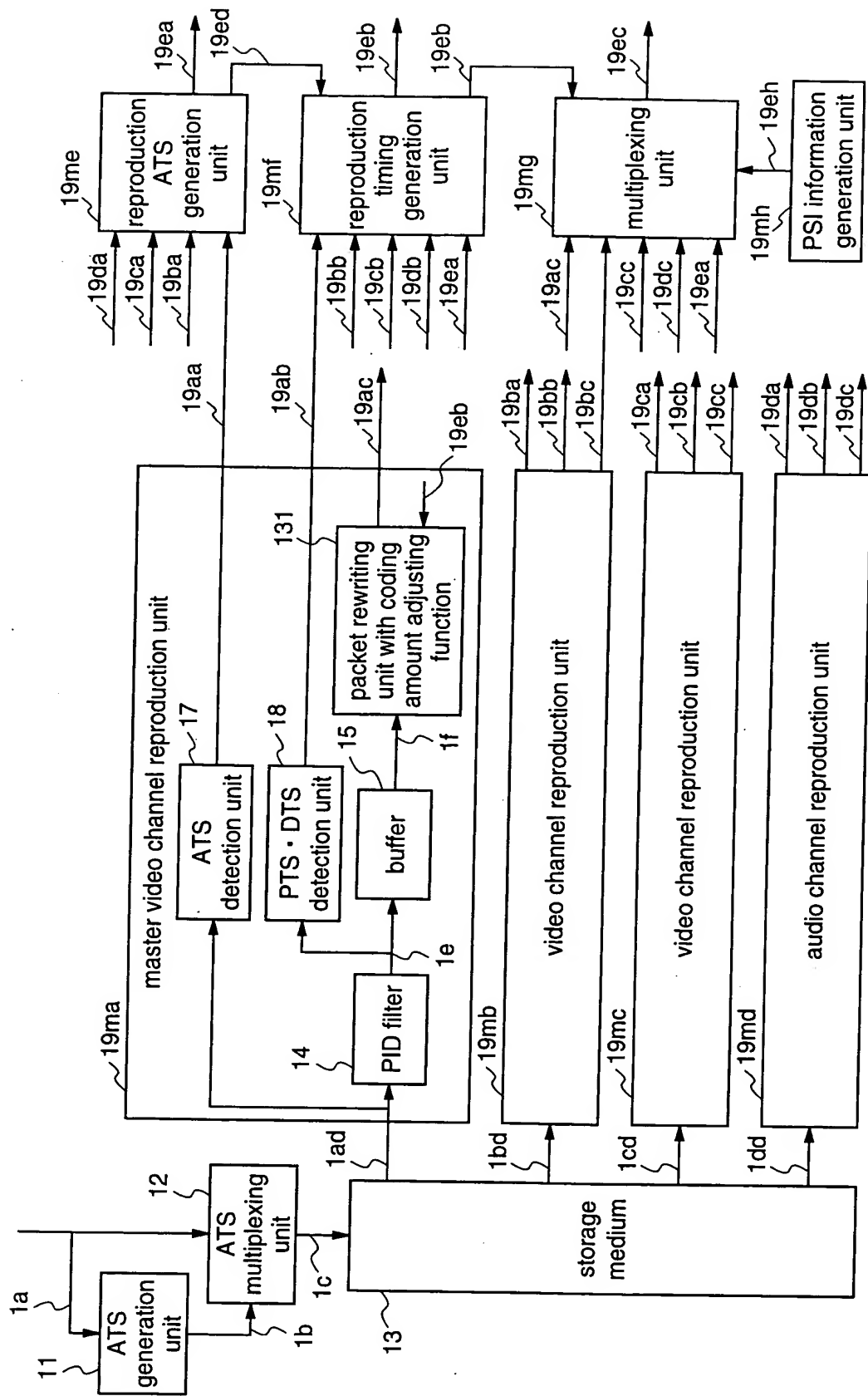


Fig.8

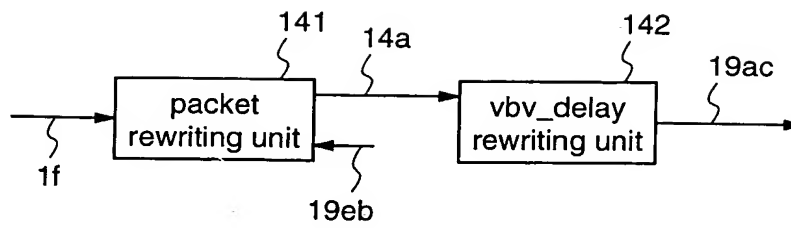


Fig.9

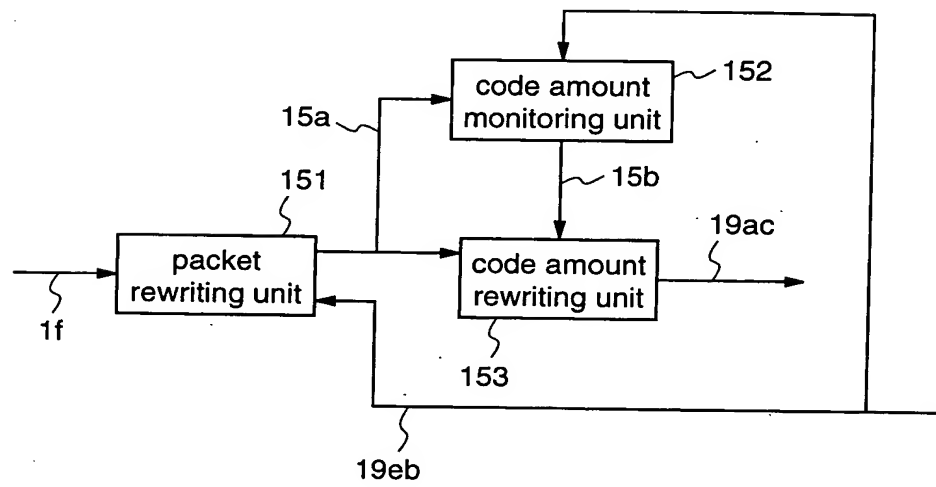


Fig.10

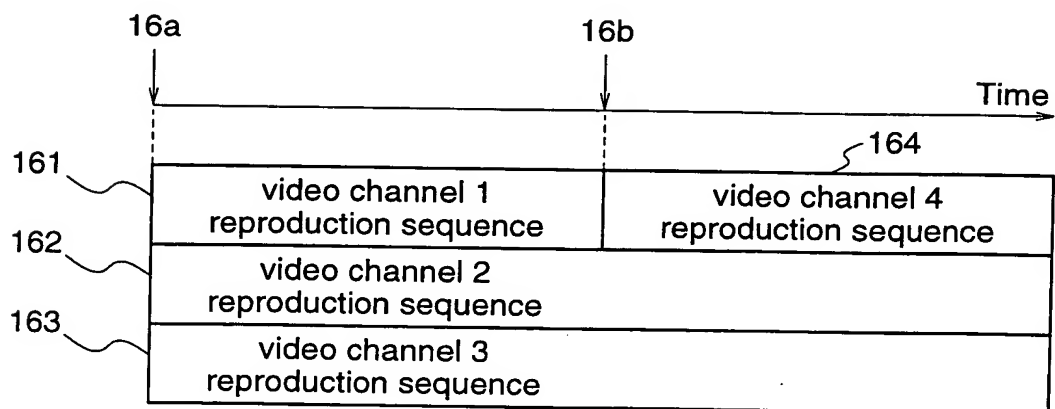
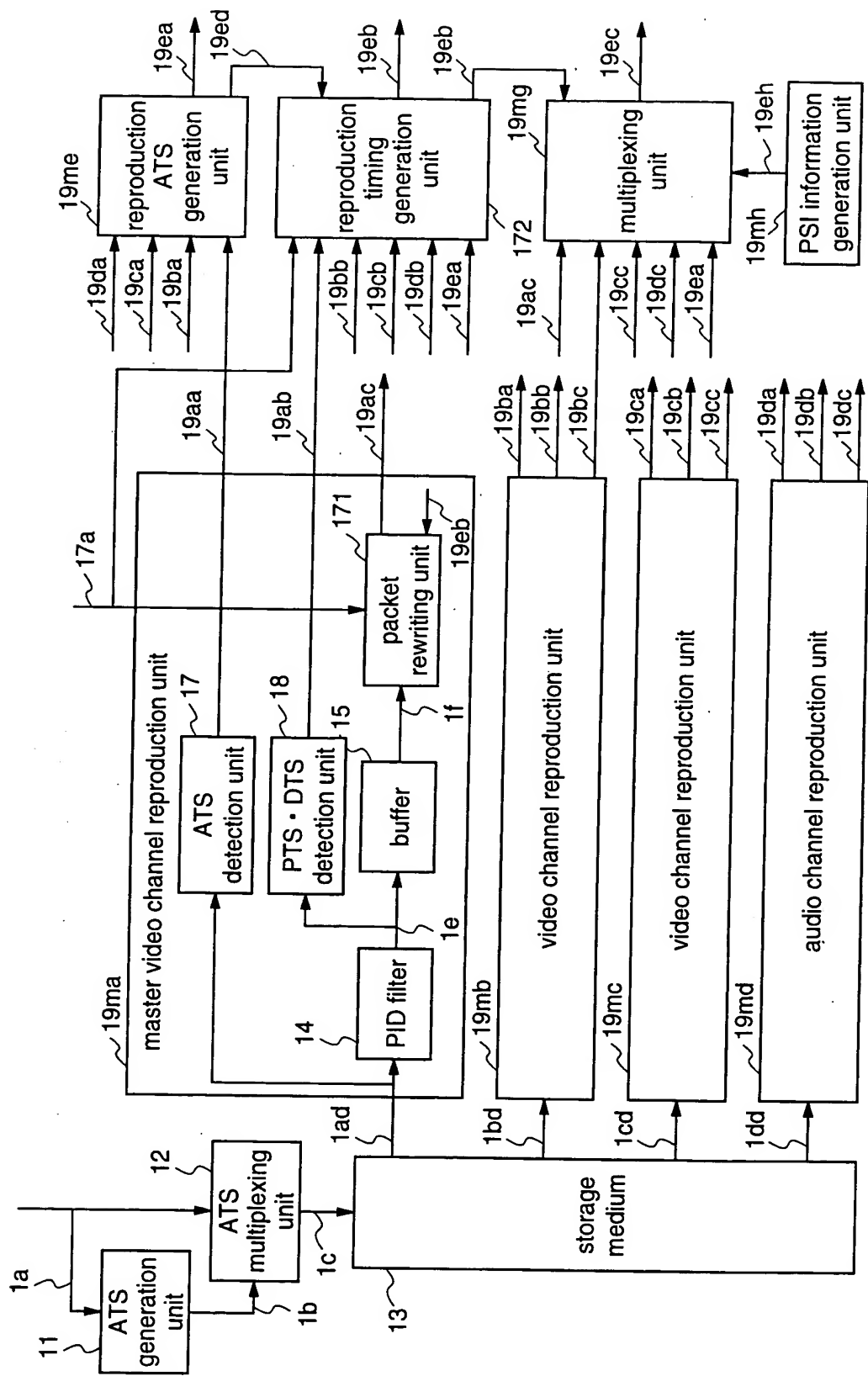


Fig.11



The diagram illustrates a video recording system with the following components and signal paths:

- Input Section:**
 - Input signal **1a** is split into **11** and **12**.
 - 11** enters the **ATS generation unit**.
 - The **ATS generation unit** outputs **1b** to the **ATS multiplexing unit**.
 - Input **12** also enters the **ATS multiplexing unit**.
- Storage Section:**
 - The **ATS multiplexing unit** outputs **1c** to the **storage medium**.
 - The **storage medium** outputs **1d** to the **PID filter**.
 - The **PID filter** outputs **1e** to the **buffer**.
 - The **buffer** outputs **1f** to the **packet rewriting unit**.
- Reproduction Section:**
 - The **packet rewriting unit** outputs **19eb** to the **reproduction timing generation unit**.
 - The **reproduction timing generation unit** outputs **19bb**, **19cb**, and **19db** to the **reproduction ATS generation unit**.
 - The **reproduction timing generation unit** also outputs **19eb** to the **multiplexing unit**.
 - The **reproduction ATS generation unit** outputs **19da**, **19ca**, and **19ba** to the **multiplexing unit**.
 - The **multiplexing unit** outputs **19ec** to the **PSI information generation unit**.
 - The **PSI information generation unit** outputs **19eh** to the **multiplexing unit**.
 - The **multiplexing unit** outputs **19mh** to the **storage medium**.
 - The **storage medium** outputs **19mb**, **19mc**, and **19md** to the **video channel reproduction unit**, **video channel reproduction unit**, and **audio channel reproduction unit** respectively.
 - The **video channel reproduction unit** outputs **19ba**, **19bb**, and **19bc** to the **packet rewriting unit**.
 - The **video channel reproduction unit** outputs **19ca**, **19cb**, and **19cc** to the **reproduction timing generation unit**.
 - The **audio channel reproduction unit** outputs **19da**, **19db**, and **19dc** to the **reproduction timing generation unit**.

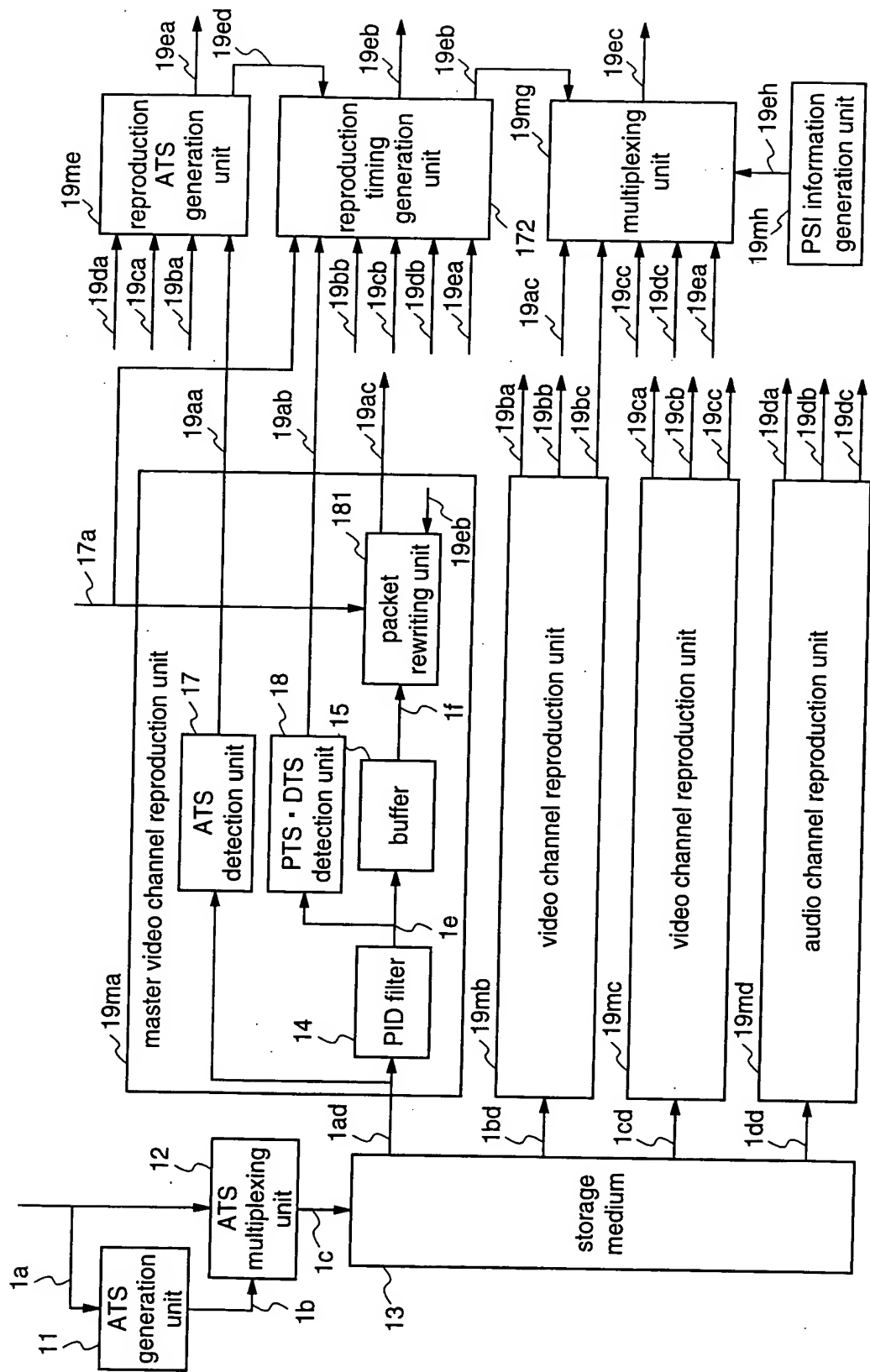


Fig.13

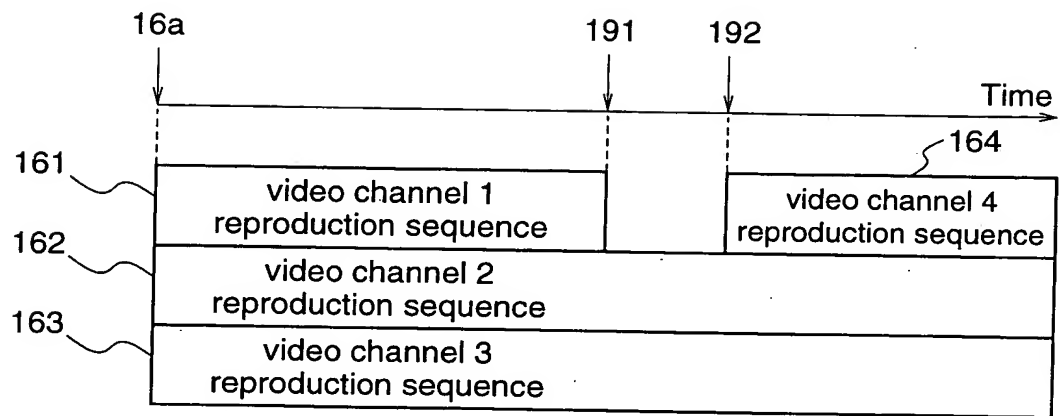


Fig.14

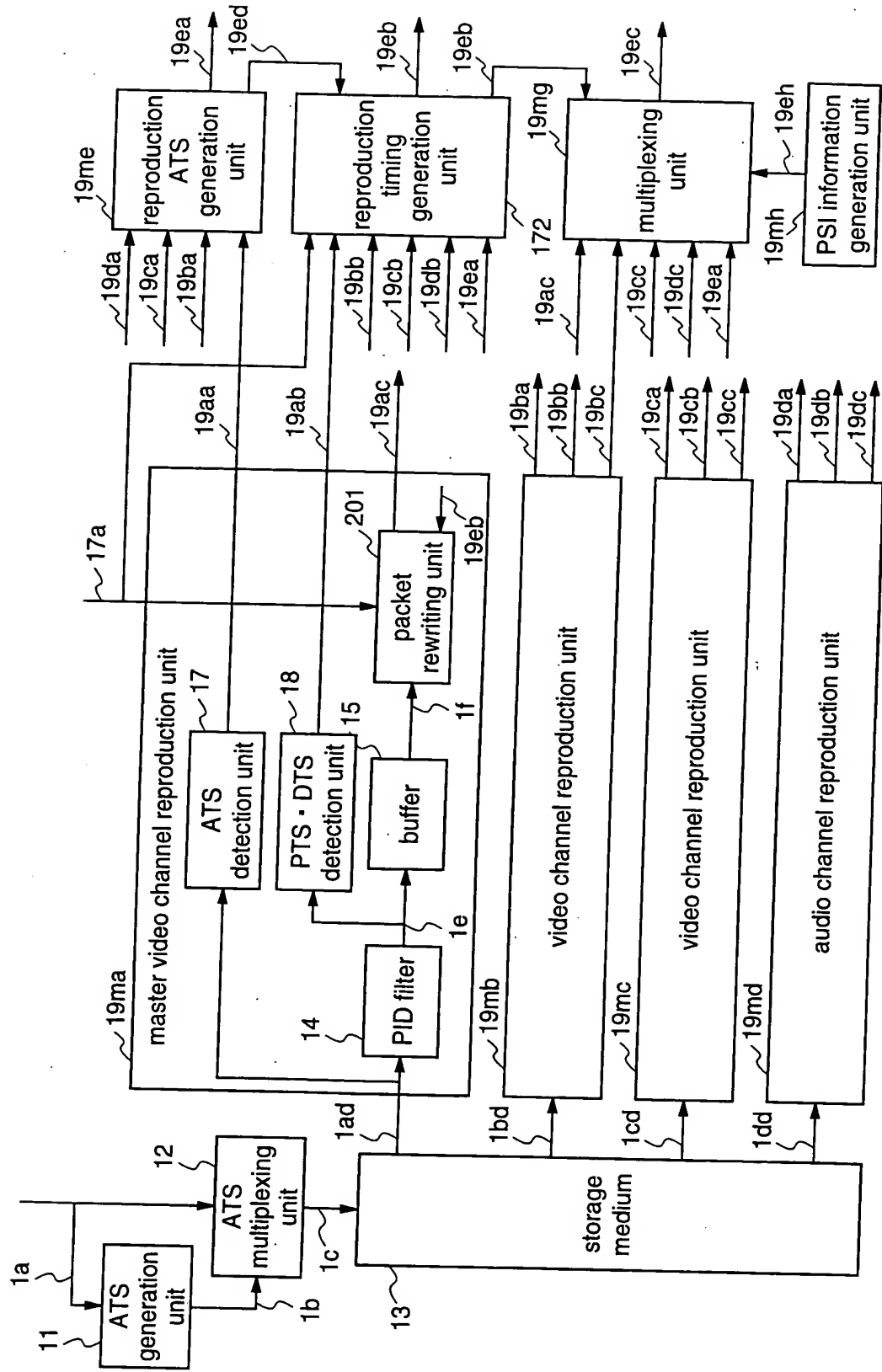


Fig.15

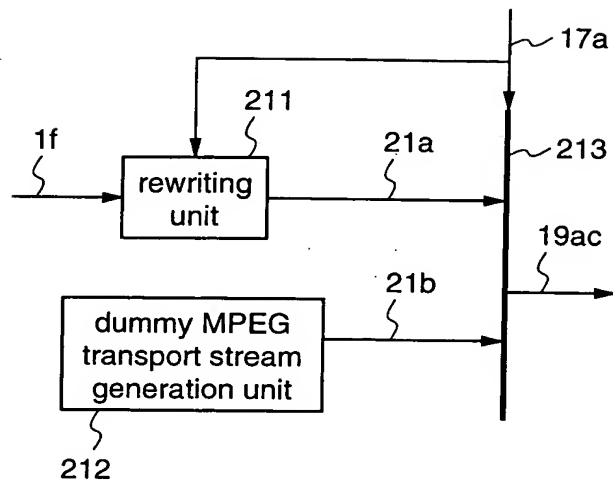


Fig.16

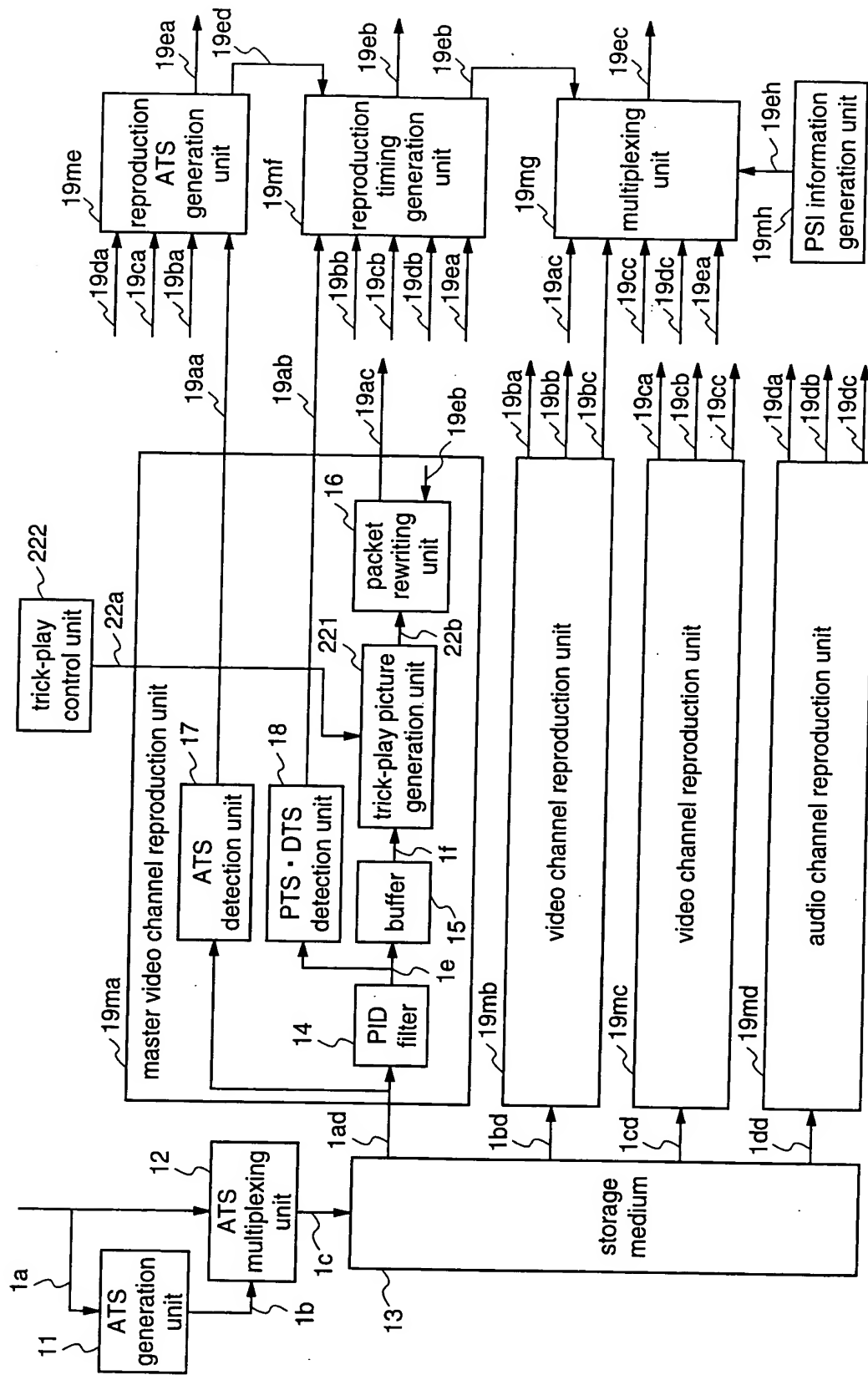


Fig.17

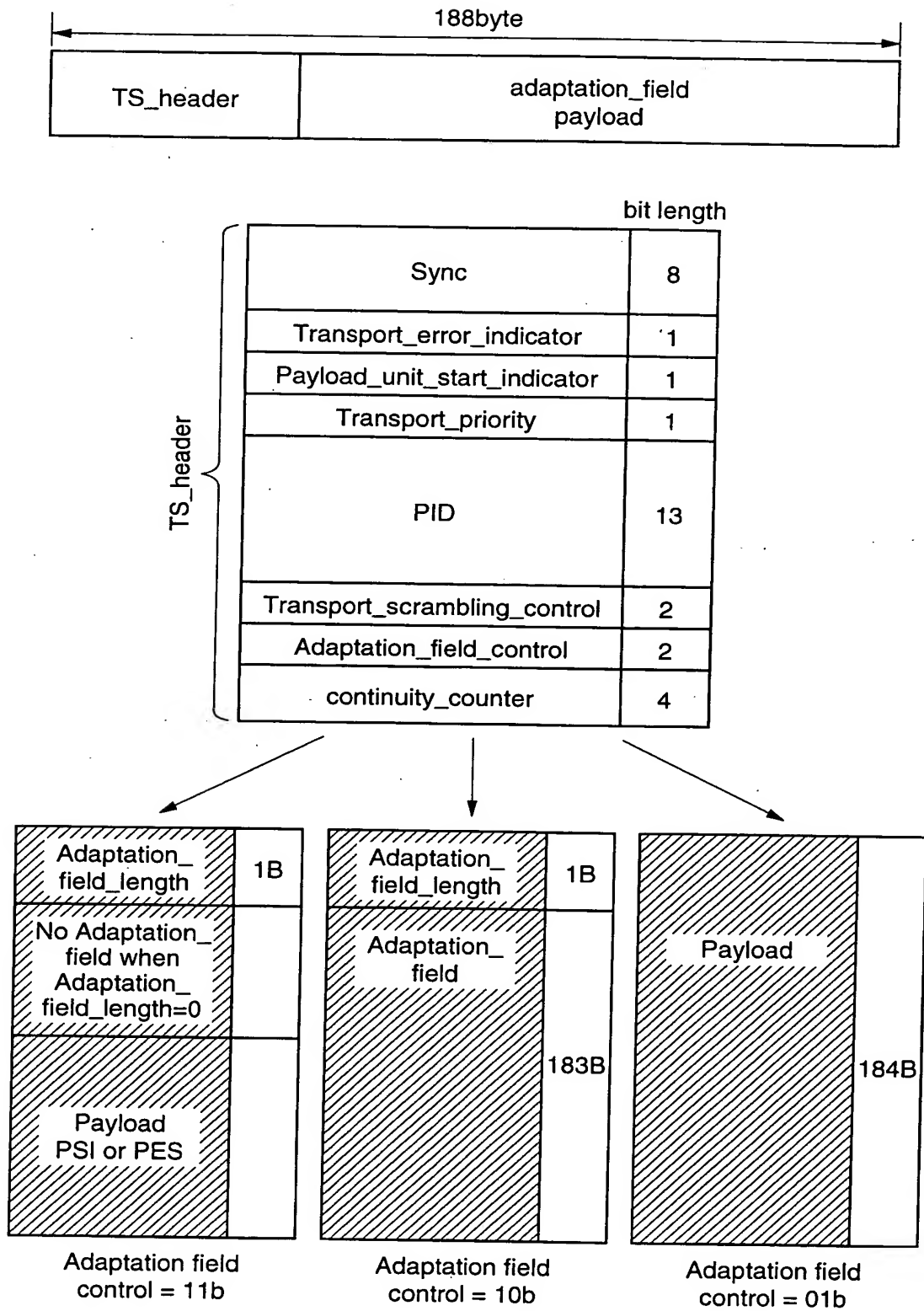


Fig.18

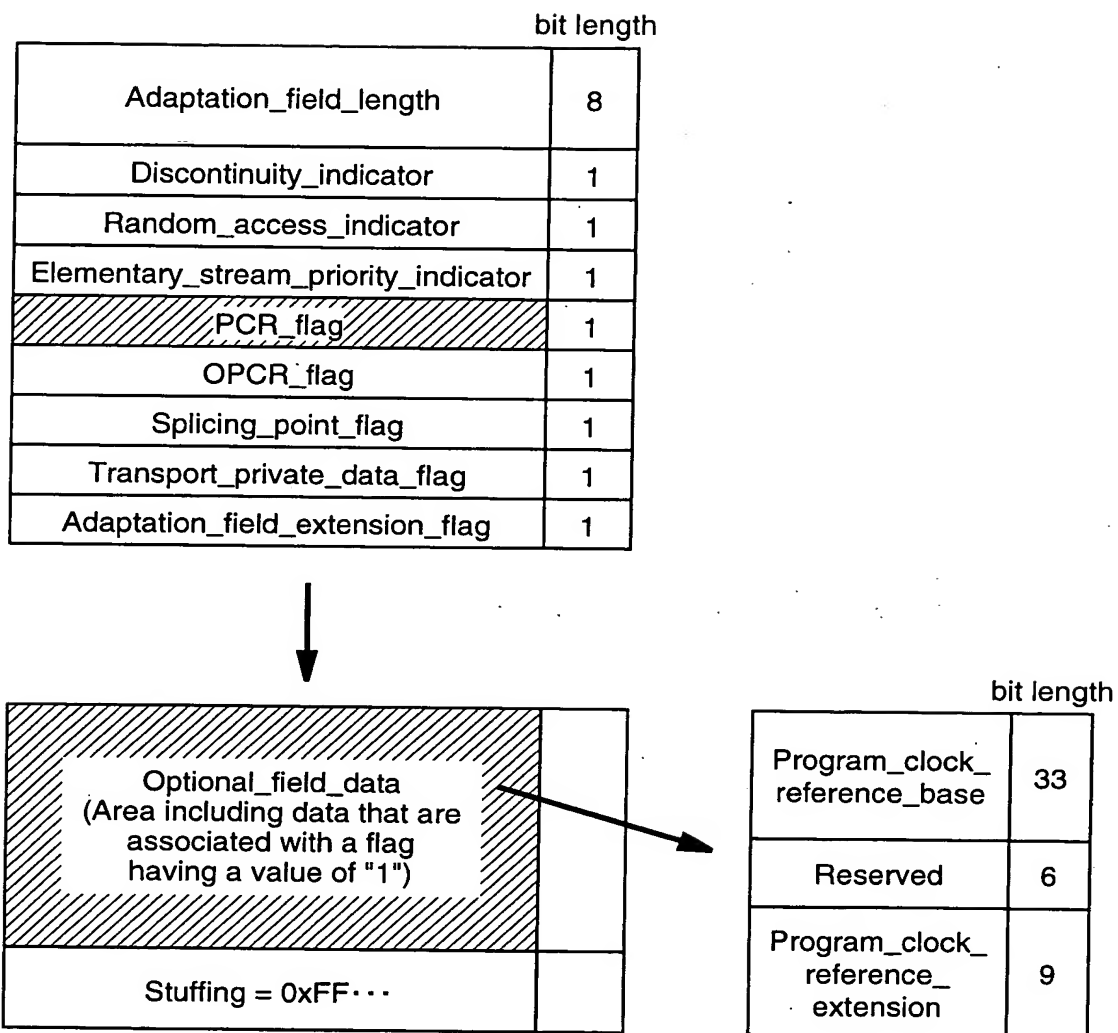


Fig.19

bit length	
Packet_start_code_prefix	24
Stream_id	8
10	2
PES_scrambling_control	2
PES_priority	1
Data_alignment_indicator	1
Copyright	1
Original_or_copy	1
PTS_DTS_flags	2
ESCR_flag	1
ES_rate_flag	1
DSM_trick_mode_flag	1
Additional_copy_info_flag	1
PES_CRC_flag	1
PES_extension_flag	1
PES_header_data_length	8
Optional_field_data	
stuffing =0xFF...	
PES_packet_data_byte	

Fig.20

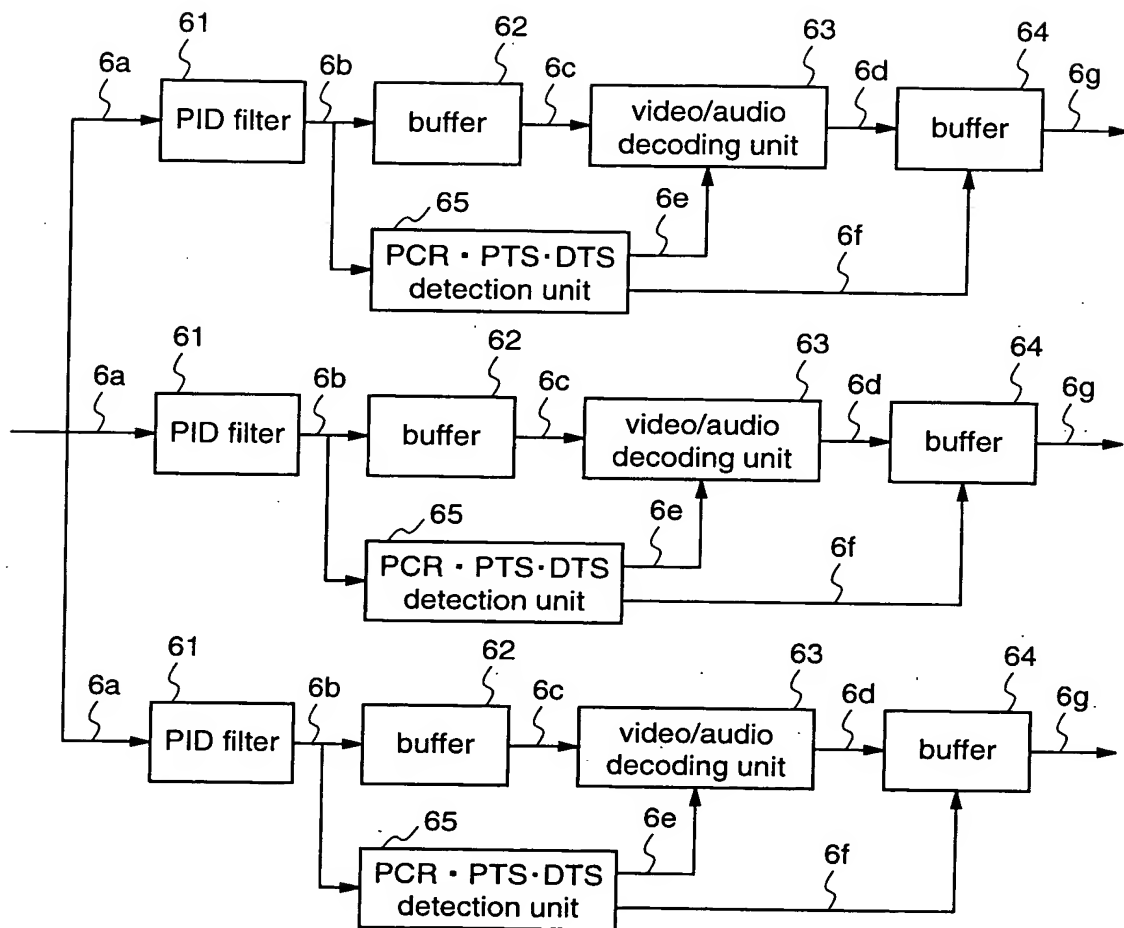


Fig.21

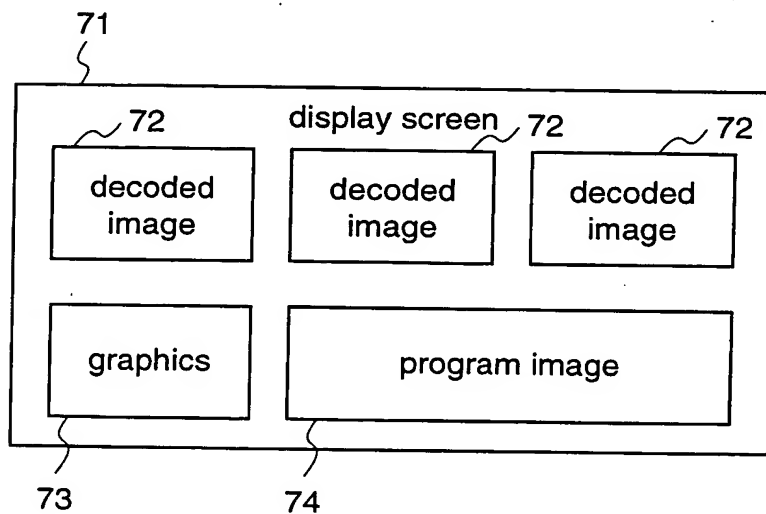


Fig.22 Prior Art

